

Author index

Abarca-Arenas, L.G. 1
Alexandrov, G.A. 113
Aoki, I. 165
Arias Gonzalez, E. 61
Arp, P.A. 211, 225

Berntsen, J. 45
Blaine, T.W. 319
Boychuk, D. 145

Cannell, M.G.R. 249
Cunningham, R.B. 17

DeAngelis, D. 75
DeAngelis, D.L. 171, 319
DuBowy, P.J. 119
Džeroski, S. 95

Fiksen, Ø. 45
Focardi, S. 191
Fomichev, A.O. 133
Friend, A.D. 249

Giske, J. 45
Grbović, J. 95

Han, B.-P. 301
Hatton, T.J. 87

Jensen, A.L. 11

Knox, R.G. 249
Kompare, B. 95

Lee, H.L. 171
Letcher, B.H. 29
Li, C. 145

Martell, D.L. 145
Morand, S. 61

Neave, H.M. 17
Nix, H.A. 17
Norberg, J. 75
Norton, T.W. 17

Oikawa, T. 113
Oja, T. 211, 225
Omlin, M. 289

Perera, A.H. 145

Reichert, P. 289
Rice, J.A. 29
Rizzotto, M. 191
Rosland, R. 45

Smith, G.C. 181
Stevens, A.K. 249
Stoker, R.L. 87

Ter-Mikaelian, M.T. 145

Ulanowicz, R.E. 1

Vandermeer, J. 311
Vavilin, V.A. 133

Walley, W.J. 95
Wu, H.-i. 87



Subject index

Acid deposition, 211, 225
Age distribution, 145
Anas clypeata, 119
Artificial intelligence, 95, 191
Ascendancy, 1

Bayesian statistics, 289

Causality in ecosystems, 1
Chaos, 311
Coexistence, 11
Community, 11
Competition, 11, 249
Computer simulations, 171
Copepods, 45

Data analysis, 95
Density dependence, 181
Detritus, 61
Diurnal terrestrial birds, 17
Dynamic optimization, 119

Ecological modelling, 95
Econetwork, 301
Ecosystem, 75, 249
Ecosystem development, 1
Eigenvalues, 75
Eutrophication, 165
Expert systems, 95
Exponential, 145

Fine roots, 87
Fire disturbance, 145
Fish, 29
Fish host, 171
Flow-indices, 165
Food chain dynamics, 319
Foraging energetics, 119
Forest, 249
Forest biomass, 225
Forest growth, 211, 225

Glochidia, 171
Gradsect, 17
Great Lakes, 11
Growth rate, 45

Habitat profitability, 45
Hare, 191
Herbivory, 319
Hydrological equilibrium theory, 87

Ideal free distribution, 45
Identifiability, 289
Indirect effects, 75
Individual-based model, 29
Individually-based model, 191
Information theory, 1
Interaction, 301

Lake-ecosystem, 165
Landscape, 145
Leaf area index, 113
Liebig's law, 1
Life cycle, 61
Light, 75
Light attenuation coefficient, 113
Long-term optimization strategies, 119

Machine learning, 95
Manipulation effect, 61
Maturity, 165
Methanogens, 133
Microcosm, 75
Model, 11, 133, 249, 289
Model ecosystem, 61
Modelling, 211
Monte Carlo simulation, 17
Mortality, 11
Mortality risk, 45

Net primary production, 113
Northern hardwoods, 225

Northern shoveler, 119
Nutrient availability versus temperature effect, light versus indirect effects and temperature response, 75
Nutrient cycling, 211, 225
Nutrients, 75
One-dimensional maps, 311
Oryctolagus cuniculus, 181
Oscillating mechanism, 133
Parasitism, 61
Patchiness, 29
Periphyton, 319
Perturbation, 75
Physiological mechanisms, 191
Population control, 181
Power index, 87
Predation, 29
Predator, 61
Prediction, 289
Prey, 61
Productivity, 249
Quartic models, 311
Ratio-dependent consumption, 319
Residence time, 301
Rule induction, 95
Sampling strategies, 17
Scaling, 87
Self-motivation, 191
Snails, 319
South east Australia, 17
Spatially-explicit model, 319
Species richness, 17
Stability, 61, 75
Starvation, 29
Stream, 319
Sulfate-reducers, 133
Swimming behavior, 29
Temperature-effects, 75
Temperature increase versus ecosystem stability, 75
Thermodynamics, 1
Trade-offs, 249
Transpiration, 87
Traveling wave front, 171
Tree water use, 87
Types, 249
Uncertainty, 289
Unionid mussels, 171

